



North Carolina Forest Service: Wildfire Activity and Outlook for Spring / Summer 2015

**The Drought Management Advisory Council
Annual Meeting
April 30th, 2015**

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Fire Environment Forester
NC Forest Service**



NC Forest Service Wildfire Activity*, as of 4/28/15

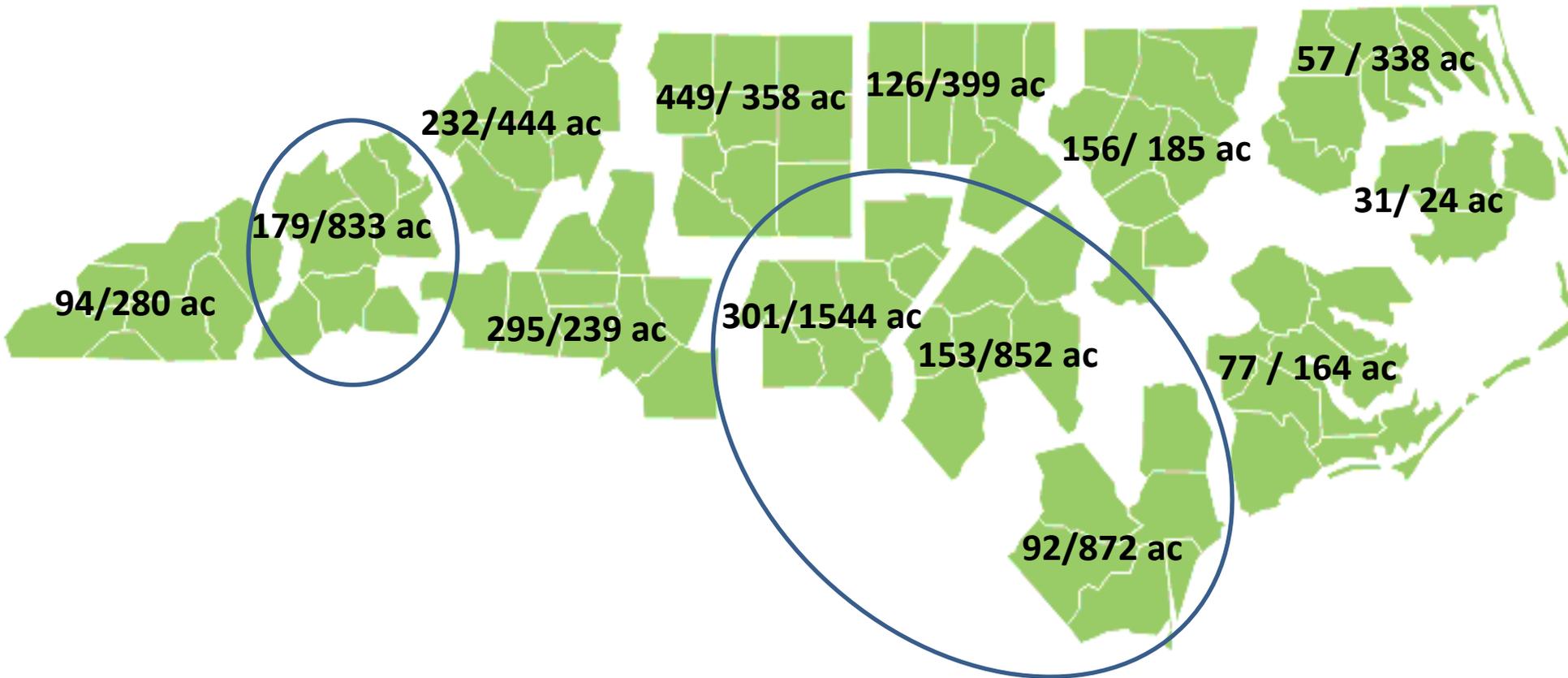
Period	# Fires*	# Acres*
Month to date	555	4,035
Year to date	2,252	6,524
10yr avg, Jan-April	2,619	13,353
Deviation from avg	-14%	-51%
10yr avg, 2005-2014	4,561	25,047

* These numbers are preliminary until finalized in the Fire Report System. They do not include fires on federal lands.



2015 Wildfire Activity*

January 1-April 28



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Keetch-Byram Drought Index (KBDI)

Current KBDI

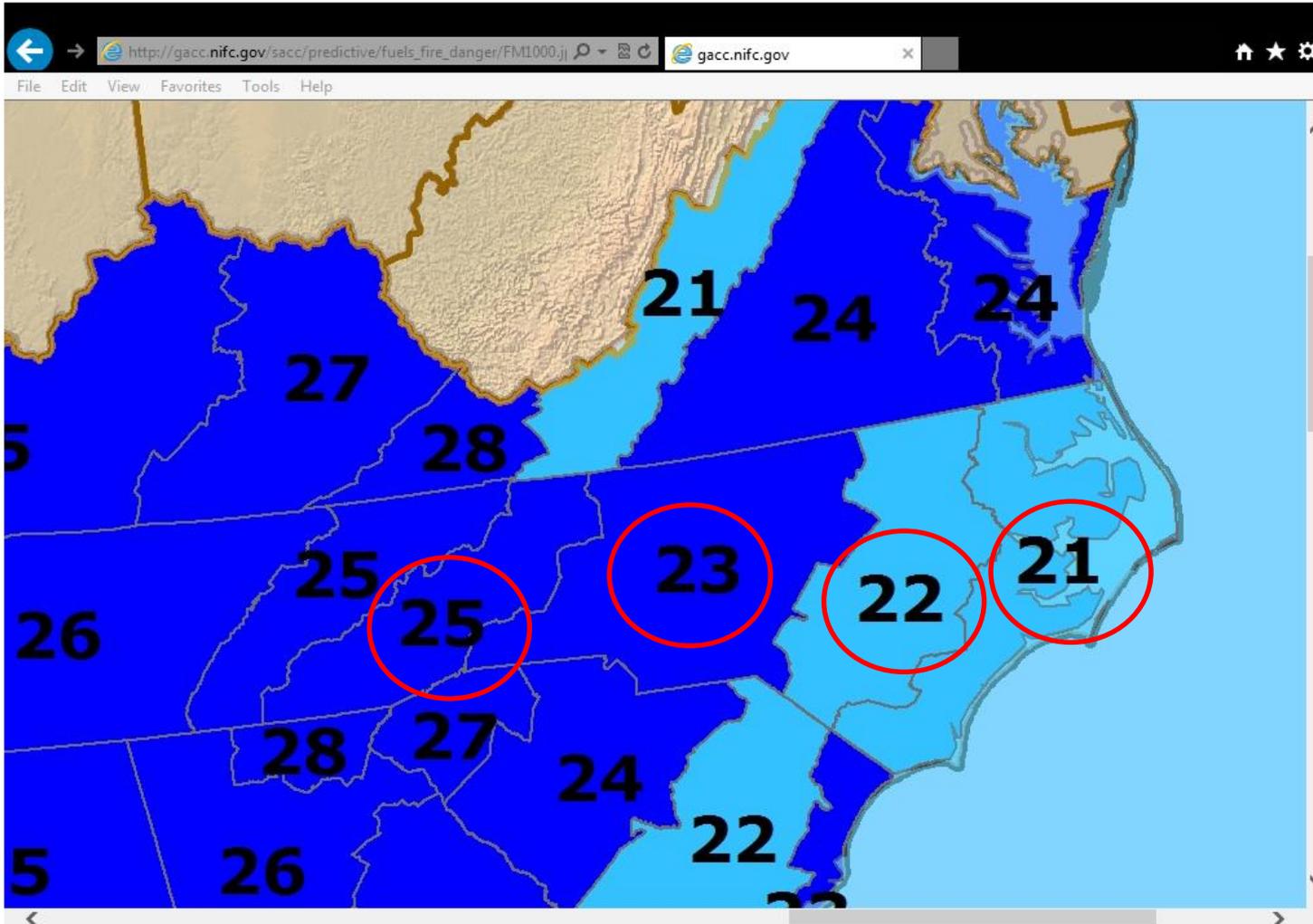
KBDI is a soil/duff drought index that ranges from 0 (no drought) to 800 (extreme drought) and is based on soil capacity of 8 inches of water. Factors include latitude, maximum daily temperature, daily precipitation, antecedent precipitation, and annual precipitation.

- Between **0 and 200**, soil moisture and large class fuel moistures are high and do not contribute significantly to fire intensity.
- Readings of **201-400** are typical of late spring, early growing season. Lower litter and duff layers are drying and beginning to contribute to fire intensity.
- Readings of **401-600** are typical of late summer, early fall. Lower litter and duff layers burn intensely.
- Readings of **601-800** are associated with severe drought and increased wildfire occurrence. Intense, deep burning fires with significant downwind spotting. Extensive mop-up required. Live fuels burn actively.



1000 Hour Fuel Moistures

Southern Area Coordination Center Predictive Services



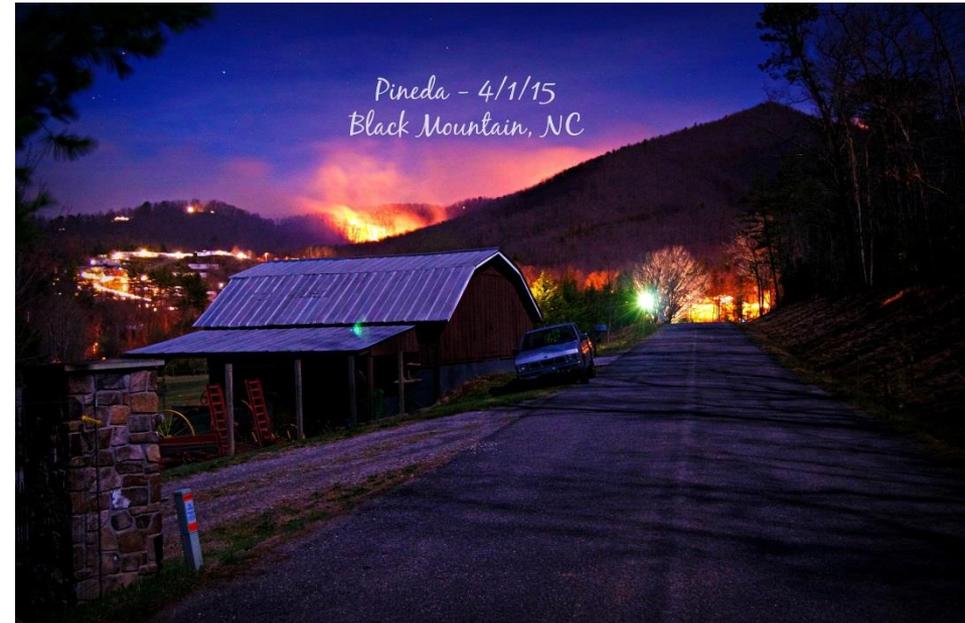
As of April 28, 2015
at 1300 LST

This map displays
1000 hour fuel (3-8")
moisture in percent by
physiographic region as
calculated by Fire Family
Plus.

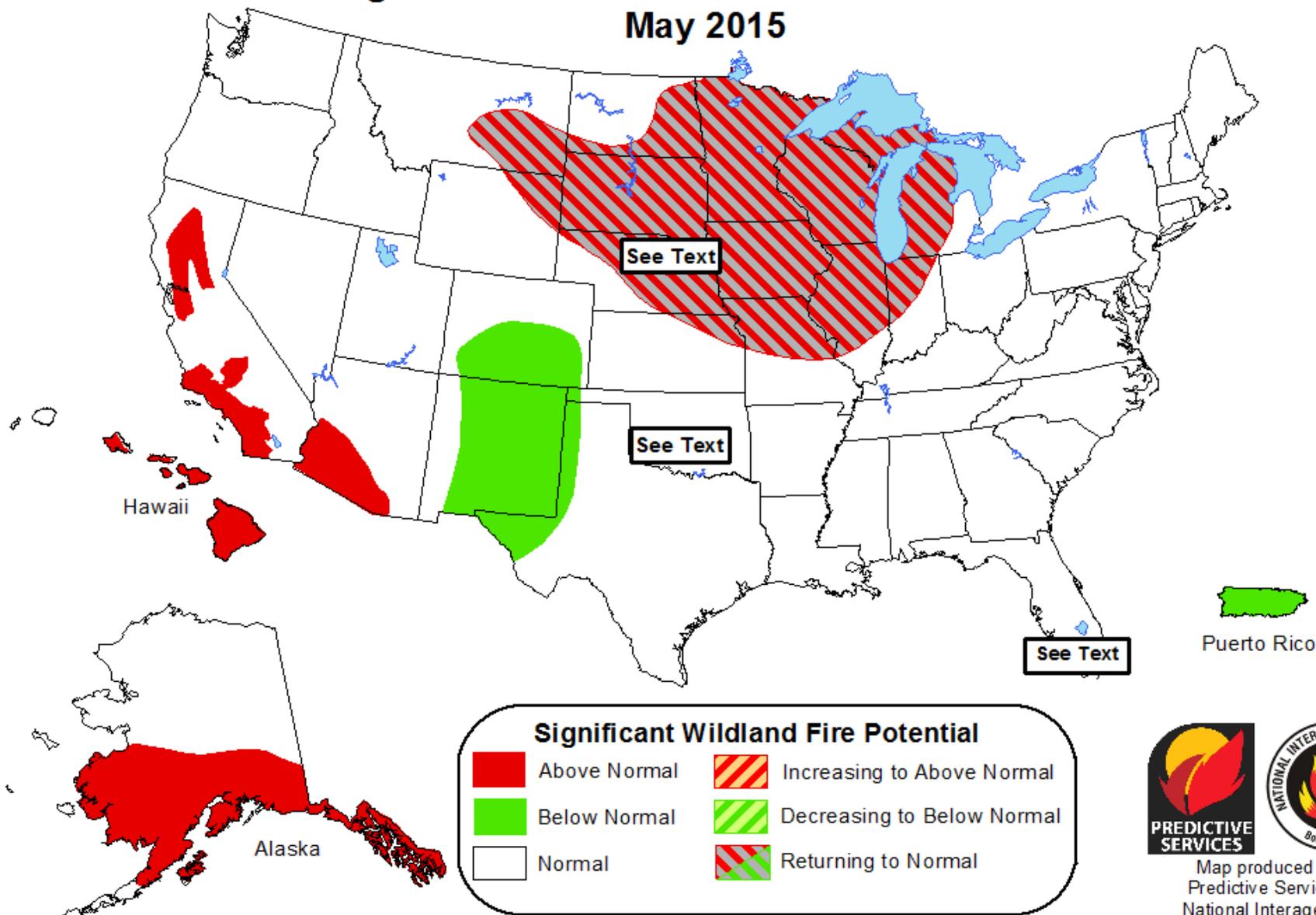


Wildland Fire Outlook: April through July 2015

We are likely to see continued **normal to below normal** fire activity...



Significant Wildland Fire Potential Outlook May 2015



Significant Wildland Fire Potential

 Above Normal	 Increasing to Above Normal
 Below Normal	 Decreasing to Below Normal
 Normal	 Returning to Normal

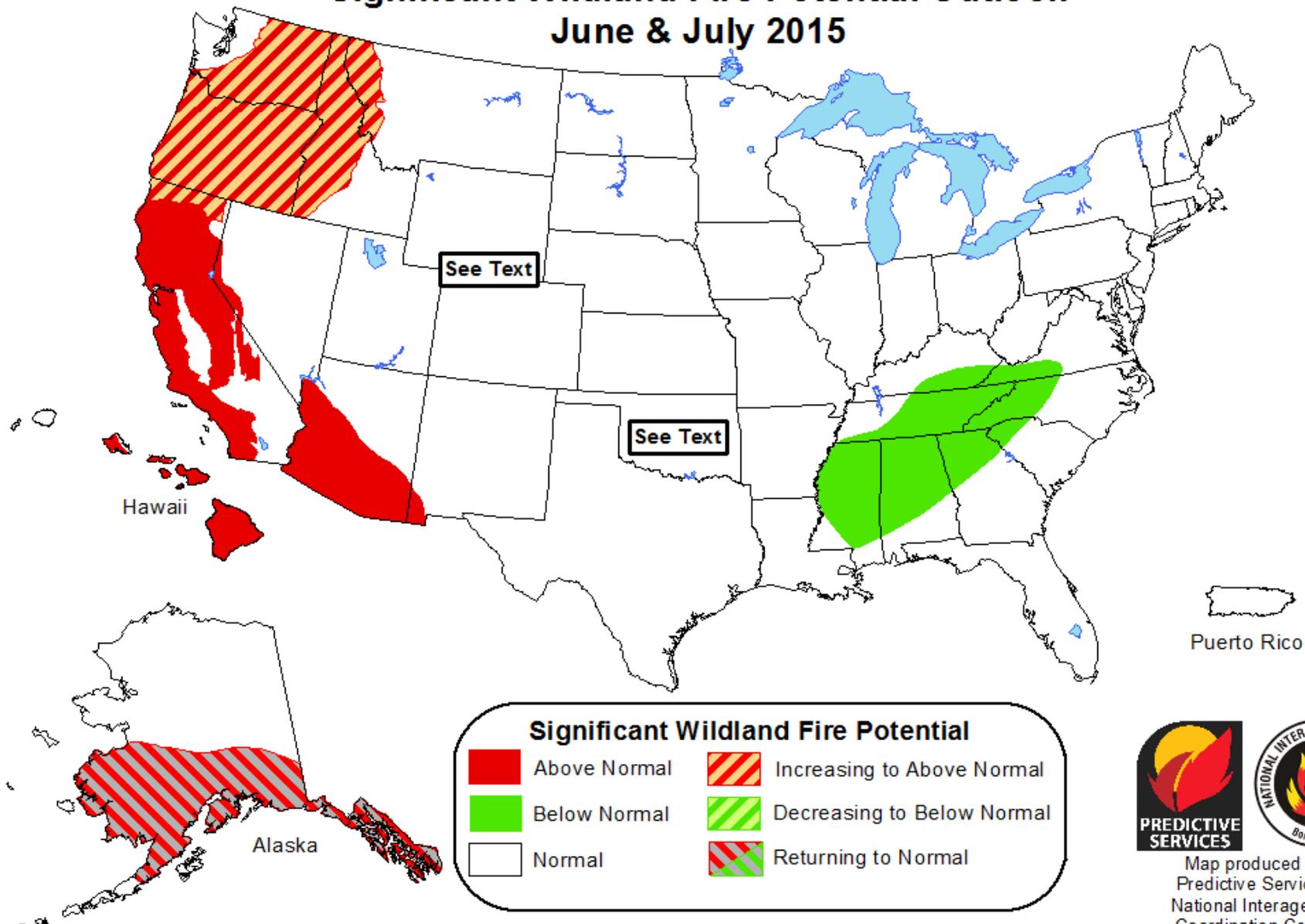


Map produced by
Predictive Services,
National Interagency
Coordination Center
Boise, Idaho

Issued April 1, 2015
Next issuance May 1, 2015

Above normal significant wildland fire potential indicates a higher than usual likelihood that wildland fires will occur and/or become significant events. Wildland fires are still expected to occur during forecasted normal conditions as would usually be expected during the outlook period. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

Significant Wildland Fire Potential Outlook June & July 2015



Significant Wildland Fire Potential

	Above Normal		Increasing to Above Normal
	Below Normal		Decreasing to Below Normal
	Normal		Returning to Normal



Map produced by
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QUESTIONS???

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